TOSHIBA

# UNINTERRUPTIBLE POWER SUPPLY

3 Year Warranty

## G9000 Series

80/100/160/225 KVA UPS

All IGBT Design 96.5%* Efficiency

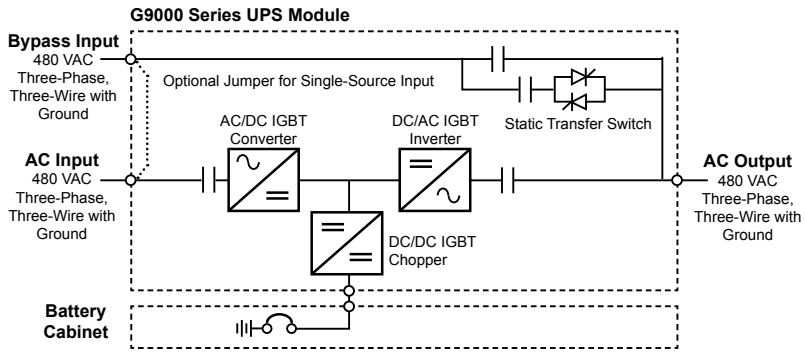
- Next-Generation IGBT Technology
- True On-Line, Double-Conversion UPS
- Parallel up to Four Units
- Input Power Factor > 0.99
- Input Current THD < 3%
- Output Power Factor 0.9
- 100% Unbalanced Load Capability
- Wide Input Voltage Range +15%, -20% (Without Utilizing Batteries)
- High Efficiency for Lower Operational Cost
- Smallest Footprint and Highest Power Density in Industry
- Electronic Battery Isolation for Battery Longevity
- Generator-Friendly Design and Compatibility
- Complete Front-Access for Installation, Operation, and Service
- Matching Battery Cabinet for Customized Battery Backup Time
- SNMP/Web-Based Monitoring
- Three-Year Warranty for Lower Cost of Ownership

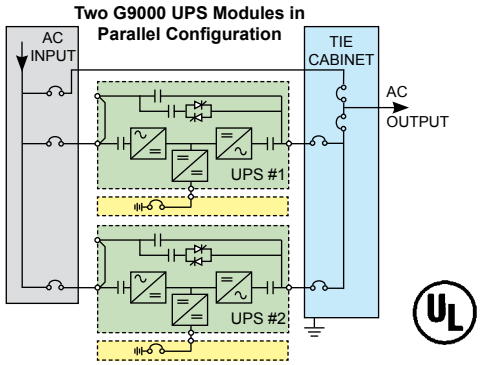
**Reliability** *in motion*®

*See specifications on back.

# G9000 Series 80/100/160/225 KVA UPS

| Model Number | | T90S3S08KS6XSN | T90S3S10KS6XSN | T90S3S16KS6XSN | T90S3S22KS6XSN |
|---|---|---|---|---|---|
| Capacity | KVA/KW | 80/72 | 100/90 | 160/144 | 225/202.5 |
| Topology | | True On-Line, Double Conversion, Advanced Multi-Level IGBT Technology | | | |
| Input | Voltage | 480 V, Three-Phase, Three-Wire + Ground/Bypass Input, 480 V, Three-Phase, Three-Wire + Ground | | | |
| | Voltage Range | 480 V, -20% to +15% (384 to 552 V Without Utilizing Battery) | | | |
| | Power Factor | Greater than 0.99 | | | |
| | Current THD | <3% at 100% Load (No Input Filter Required) | | | |
| | Frequency | 60 Hz (± 10%) | | | |
| Output | Voltage | 480 V, Three-Phase, Three-Wire + Ground | | | |
| | Frequency | 60 Hz, ±0.01% (In Free-Running Mode) | | | |
| | Voltage Regulation | ±1.0% (0.5% Typical) | | | |
| | Power Factor | 0.9 Lagging | | | |
| | Power Factor Range | 0.9 to 1.0 Lagging | | | |
| | Voltage THD | <2% for Linear Load, <5% for Non-Linear Load | | | |
| | Overload (Inverter) | 125% for 2 Minutes; 150% for 60 Seconds | | | |
| | Overload (Bypass) | 1000% for One Cycle | | | |
| Battery | DC Link | 480 VDC | | | |
| | Ripple Voltage | ±0.23% | | | ±0.29% |
| Environment | Temperature Range | 32° to 104°F (0° to 40°C) | | | |
| | Relative Humidity | 5% to 95% Non-Condensing | | | |
| | Heat Rejection | 11,307 BTUs/Hour | 14,133 BTUs/Hour | 19,408 BTUs/Hour | 27,292 BTUs/Hour |
| | Efficiency (Full-Load) | 95.6% | 95.6% | 96.5% | 96.5% |
| | Efficiency (20% Load) | 92.5% | 92.5% | 94.6% | 94.7% |
| | Altitude | 7380 Feet Maximum Without Derating (2250 Meters) | | | |
| | Audible Noise | 69.5 dBA at 1 Meter | | | |
| Dimensions | Dimensions (W x D x H) | 27.6 x 32.8 x 80.6 in. (700 x 832 x 2047 mm) | | 35.4 x 32.8 x 80.6 in. (900 x 832 x 2047 mm) | |
| | Weight | 835 lbs. (388 kg) | 855 lbs. (388 kg) | 1160 lbs. (526 kg) | 1230 lbs. (558 kg) |
| Features | | Digital Signal Processor (DSP) Control, Fully Digital IGBT Converter & Inverter, High Efficiency Over Wide Load Range, Transformer-Less Design, N+1 and N+N (Up to Four in Parallel) Capability, Dual-Input Feed, Electronic Battery Isolation, RS232 and Dry Contact Interface, Small Footprint, Lightweight Design | | | |
| Standards | | UL 1778, CUL, ISO9001, ISO14001, ANSI C62.41 (IEEE 587), FCC Class A, Article 47, Part 15.B | | | |
| Warranty | | Three Years Onsite (Optional Two Year Extended Warranty) See Toshiba Warranty Policy for Full Details | | | |
| Service | | 24-Hour, 365-Day Technical Support 1-877-867-8773 | | | |




***UPS ADJUSTABLE SPEED DRIVES MOTORS CONTROLS INSTRUMENTATION PLC***

**TOSHIBA**

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